

# Discipline Based Education Research

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## Department Information

- **Program Director:**  
Jennifer Momsen, Ph.D.
- **Department Web Site:**  
[www.ndsu.edu/dber/](http://www.ndsu.edu/dber/) (<http://www.ndsu.edu/dber/>)
- **Credential Offered:**  
Ph.D. (Dual Major in DBER and STEM discipline is an option)
- **English Proficiency Requirements:**  
TOEFL iBT 88, IELTS 6.5, Duolingo 110

The program requires 60 semester hours beyond the master's degree. Additionally, by completion of the doctorate, the coursework must include either a master's degree or its equivalent coursework in the chosen STEM discipline (this applies if the master's degree is in Education or another related field). In consultation with the student's graduate committee, a plan of study will be developed to ensure that the student has a strong background in

- discipline-based educational research at the undergraduate level,
- curriculum, teaching, learning, and assessment, and
- content expertise within a discipline.

Students enrolled in program must maintain an overall GPA of at least 3.0 both within the content area and STEM courses. If the GPA in either component should drop below 3.0, then the student is placed on academic probation within the program for the following semester. If at the end of that semester the GPA remains below 3.0, the student is subject to dismissal from the program.

Code	Title	Credits
<b>Core Didactic Courses (9 SH):</b>		
STEM 810	Teaching College Science	3
STEM 820	STEM Curriculum and Instruction	3
STEM 830	Research Methods in STEM Education	3
Educational Research Seminar (continuing enrollment throughout program, each Fall & Spring semester)		
EDUC 790	Graduate Seminar	1
<b>Elective Graduate Courses in STEM Discipline and/or STEM Education</b>		<b>18</b>
(minimum of 18 SH, to meet minimum of 27 SH coursework requirement)		
Didactic courses selected with approval of the graduate committee to strengthen preparation in the STEM discipline, educational research, and/or in education.		
<b>Doctoral Dissertation (minimum 9 credits)</b>		
EDUC 899	Doctoral Dissertation	